

NUCLEIC ACID MOLECULES COMPRISING THE PROMOTER FOR
PCA3^{DD3}, A NEW PROSTATE ANTIGEN, AND USES THEREOF

ABSTRACT OF THE DISCLOSURE

This invention describes the cloning and characterization of the promoter region for the PCA3^{dd3} gene. This region regulates the PCA3^{dd3} gene expression by a unique prostate specific transcriptional mechanism. The present invention relates to the use of this promoter region as a tool for prostate cancer treatment and diagnosis and screening of agents which regulate expression of PCA3. In a particular embodiment, the present invention relates to an isolated promoter sequence which comprises an isolated promoter sequence which comprises a sequence as set forth between nucleotide positions 372 to 460 of SEQ ID NO:1, this sequence enabling a prostate-specific modulation of transcription.